CLAIMS

1. (Previously Presented) Seat occupancy sensor with at least two pressure actuatable switching elements, said switching elements to be associated to a surface of a seat with a certain distance between them in such a way that a first switching element is associated to a first area of the seat and a second switch element is associated to a second area of the seat, wherein said first switching element and said second switching element are connected together in such a way as to implement a logical AND operation.

2. (Previously Presented) Seat occupancy sensor according to claim 1, wherein the first and second switching elements are connected in series.

3. (Previously Presented) Seat occupancy sensor according to claim 1, wherein the first and/or second switching element comprises a pressure sensor.

4. (Previously Presented) Seat occupancy sensor according to claim 1, wherein the first and/or second switching element comprises a plurality of individual switching cells connected together in such a way as to implement a logical OR operation.

5. (Previously Presented) Seat occupancy sensor according to claim 4, wherein the individual switching cells of a switch element are connected in parallel.

6. (Previously Presented) Seat occupancy sensor according to claim 4, wherein a switching cell comprises a pressure sensor.

7. (Previously Presented) Seat occupancy sensor according to claim 3, wherein the pressure sensor comprises a foil-type pressure sensor of a "through-mode" type.

8. (Previously Presented) Seat occupancy sensor according to claim 3, wherein the pressure sensor comprises a foil-type pressure sensor of a "shunt mode" type.

9. (Previously Presented) Seat occupancy sensor according to claim 1, wherein the first and second switching elements are arranged at least approximately at equal distances from a seat centreline running longitudinally with respect to the vehicle and at a certain distance from each other.

10. (Previously Presented) Seat occupancy sensor according to claim 1, wherein the first and second switching elements are arranged essentially symmetrically with respect to a seat centreline running longitudinally with respect to the vehicle and at a predetermined distance from each other.

11. (Previously Presented) Seat occupancy sensor according to claim 6, wherein the pressure sensor comprises a foil-type pressure sensor of a "through-mode" type.

12. (Previously Presented) Seat occupancy sensor according to claim 6, wherein the pressure sensor presents a foil-type pressure sensor of a "shunt mode" type.

13. (Previously Presented) Seat occupancy sensor comprising at least two pressure actuatable switching elements, said switching elements to be integrated into a vehicle seat and associated to a seating surface of said vehicle seat with a certain distance between them in such a way that a first switching element is associated to a first area of the seat and a second switch element is associated to a second area of the seat, said first switching element and said second switching element being connected together in such a way as to implement a logical AND operation.

14. (Previously Presented) Seat occupancy sensor according to claim 13, wherein the first and second switching elements are connected in series.

15. (Previously Presented) Seat occupancy sensor according to claim 13, wherein the first and/or second switching element comprises a pressure sensor.

16. (Previously Presented) Seat occupancy sensor according to claim 13, wherein the first and/or second switching element comprises a plurality of individual switching cells connected together in such a way as to implement a logical OR operation.

17. (Previously Presented) Seat occupancy sensor according to claim 16, wherein the individual switching cells of a switch element are connected in parallel.

18. (Previously Presented) Seat occupancy sensor according to claim 16, wherein a switching cell comprises a pressure sensor.

19. (Previously Presented) Seat occupancy sensor according to claim 15, wherein the pressure sensor comprises a foil-type pressure sensor of a "through-mode" type.

20. (Previously Presented) Seat occupancy sensor according to claim 15, wherein the pressure sensor comprises a foil-type pressure sensor of a "shunt mode" type.

21. (Previously Presented) Seat occupancy sensor according to claim 13, wherein the first and second switching elements are arranged at least approximately at equal distances from a seat centreline running longitudinally with respect to the vehicle and at a certain distance from each other.

22. (Previously Presented) Seat occupancy sensor according to claim 13, wherein the first and second switching elements are arranged essentially symmetrically with respect to a seat centreline running longitudinally with respect to the vehicle and at a predetermined distance from each other.

23. (Previously Presented) Seat occupancy sensor according to claim 18, wherein the pressure sensor comprises a foil-type pressure sensor of a "through-mode" type.

24. (Previously Presented) Seat occupancy sensor according to claim 18, wherein the pressure sensor presents a foil-type pressure sensor of a "shunt mode" type.